

May Meeting

The May HCRA meeting will feature Walt Congdon, W1ZPB, as our speaker. Walt will present an interesting discussion on alternate energy sources for the individual home. Solar power — for Ham Radio — as well as other applications, will be the meeting topic.

Walt has assembled several systems using photo-voltaic cells to generate electricity. He will talk about the key components, how to put it together, various hands-on practical issues, including cost, where to purchase materials, and the recent new developments in solar photo-voltaic cells.

In addition, Walt will discuss micro-hydro power and wind power generation.

Walt has taught science at Northfield Mount Herman for over 35 years. He is currently involved in admissions at the school. He is an avid CW traffic handler on the Western Mass net, and enjoys QRP operation.

For Sale

Kenwood TS700S 2 meter multimode 10 watts out AM, FM, CW and SSB. Works like new with AC & DC power cords, mic, owners and service manuals, analog dial \$275.00

Santec LS202 HT SSB/FM 2 meters 144 to 148, 6 new nicads with external charger, speaker mike, works very good but no antenna \$135.00

CDR TR44 rotor, direction indicator jumps but motor and control box works OK otherwise \$30.00

TenTec Argonaut 505 QRP rig 80-10 meters 2.5 watts out, crystal calib, CW filter, antenna tuner and power supply, CW & SSB \$225.00

Call Al Carpin, NA1W, at 413.788.9845 after 6:00 PM

June Banquet

The HCRA Annual Meeting and June Banquet will be held on Friday June 5th at the Feeding Hills Congregational Church. The doors will open at 6:30 PM with dinner served at 7:00 PM. For those of you who can't join us for dinner the Annual Meeting will start at 8:00 PM. We also plan to show an ARRL movie on Field Day, and attempt to drum up some interest for this years operation.

The June Banquet will again be served Smorgasbord style, and will include: roast beef, imported ham, meatballs, turkey roll, macaroni salad, potato salad, cole slaw, rolls, baked beans, coffee, milk, soda, and desert. We have planned on ordering extra food this year, so bring your appetite.

The price is \$5.00 per person. We have included a reservation form in this issue of ZERO BEAT. You can bring this to the May meeting or mail it to the club address. We must have your paid reservations by June 1st. No tickets will be sold at the door!

For Sale

Yaesu FT726R UHF/VHF transceiver, all modes, 2+ meters, 6 meters, 430-440 mhz, with satellite board, ARR 2m GaAsFET preamp built-in, DC cord, operating and factory manuals, TT microphone. \$1,700.00

Towers — Rohn 11G, 50 foot, with top, bottom sections, rotor plate. \$100 or best offer. 50 foot crank up tower. \$100 or best offer.

Antennas — Cushcraft Junior Boomer 2 meter 214B assembled \$60.00. Oscar Twist, package deal - A-144-10T, and 416TB 2 meter and 440 mhz circular antennas with azimuth and elevation rotors (A22 + U100?) \$100.00. 6 meter 5 element beam \$20.00. TET 3F35DX 10-15-20 meter beam \$50.00

Serious Callers Only
please call Jeff K1BE
work: 730-3253
home: 569-6739

Raffle

The HCRA is having a raffle at the June Banquet! The grand prize is a Kenwood TH31 220mhz handie talkie. Second and Third prizes are \$50.00 HRO gift certificates. You do not have to be present at the Banquet to win!

Raffle tickets are \$1.00 each or six for \$5.00. Enclosed in this issue of ZERO BEAT is a page with six tickets. You may fill these out, and mail with cash or check (made out to the Hampden County Radio Association, Inc.) to our club address: HCRA, Inc., P.O. Box 482, West Springfield, MA 01090-0482. Or you can bring your completed tickets and money to either the May or June club meetings.

Additional tickets will be available at the May and June meetings, and are also available by writing. Good Luck!

Needed!

There are a number of Hampden County Radio Association Board Member positions that will become vacant at the end of this year. Our June Annual Meeting is fast approaching, and we are looking for interested individuals who are willing to spend a few hours per month participating as a HCRA board member. Help set the future direction of the club and at the same time have a good time working with great bunch of individuals. Steve Nelson, WA1EYF, is the chair of the nomination committee, and he would be interested in hearing from you regarding your interest in serving on the board. Please contact Steve for more information.

Field Day
W1NY
June 27 - 28, 1987

Field Day

Field Day this year is the last weekend in June: June 27 & 28. As always the Hampden County Radio Association will activate its club station W1NY for the event.

This year we have a new challenge: members Stan KA1ZE and Fred N1DPM are putting together a first rate station for the forty meter operation, which will include a 40m beam (!) and 1,500 watts out! Their challenge is to any other W1NY band team to beat their score, either in QSO points, or total score.

We also plan to have a complete Novice station (remember Novices can now also operate PHONE on 10m for Field Day!) and a Packet Radio set-up.

We are looking for other interested individuals who would like to assist in the effort to make the W1NY operation a top notch operation — but you DON'T have to be a contester to help! We are looking for help with set-up and operation throughout the period. We may even operate from a site in the general Springfield area versus Middlefield as we have done in past years.

Please contact Fred or Stan, or Bob KA1KPH or John AC1T for more information! And see you at Field Day!

Pro Rally

Your help is again needed by the New England Region of the SCCA for a Pro Rally. The 1987 Coolidge Forest Pro Rally will be held on Saturday, June 20, the weekend before Field Day. Amateur radio operators are needed from 11:00 AM to 11:30 PM.

Ian MacLennan, AF1R, is coordinating this effort again this year. He would appreciate any of you who may be interested in helping, especially those who participated last year, in contacting him. You can reach him at home at 617.449.1227 and at work at 617.455.2462.

There is at least one group sponsored by the HCRA that will be assisting in the effort. If you are interesting in working with this group please contact Bob, KA1KPH, at 413.786.7966 for more information.

Flea Market

The last few years the Hampden County Radio Association has sponsored a Flea Market in place of its May meeting. Some years the flea market has been good; others its been a bust. This is due to many factors, the most important of which are: weather, who else has one on the same day, and the Deerfield NH flea market.

Your board of directors discussed this matter at length and decided that we would eliminate the flea market this year and offer a normal meeting in its place. We hope you'll be able to stop by Friday May 1st to hear Walt W1ZPB's talk on solar powered ham stations. Maybe you'll be able to set-up a station for extra points for Field Day!

We encourage you to consider making the trip up to the Deerfield NH flea market Saturday May 9th. This is the Hoss Traders annual swapfest at the Deerfield Fairgrounds. Friday night camping opens at 04:00 PM Friday and fees will be collected by Fair Grounds Assoc. Admission is \$2. All profits benefit the Boston Burns Unit of the Shriners' Hospital for Crippled Children. Deerfield is slightly north-east of Manchester NH, and a little over 1 1/2 hours from the Springfield area. Upwards of 7,000 people will attend, and if its not there, you're not going to find it! For more info or directions ask anyone on any of the repeaters!

FCC & 220 mhz

Last month we informed you about the proposal whereby the FCC would reassign the bottom two megahertz of the 220 band to another service. This loss would severely impact existing operations on 220 mhz. **Your support is still needed!**

The FCC has granted the ARRL's request for extension of the comments period on this matter. Last month we provided you with a form for your comments. If you have not sent it in, its not too late!

The new deadline is now May 21, 1987, and reply comments must be received by June 19. Do it today; don't delay!

Contests

1987

May	2-3	County Hunters SSB
	8	902 MHz sprint
	14	1296 MHz sprint
	23-24	50 MHz sprint
	30-31	CQ WW WPX CW
Jun	13-15	June VHF contest
	27-28	Field Day
Jul	11-12	IARU HF contest
	18-19	CQ WW WPX VHF
Aug	1-2	UHF contest
Sep	12-14	September VHF contest
Nov	7-9	Sweepstakes CW
	21-23	Sweepstakes SSB
Dec	4-6	160m contest
	12-13	10m contest

Please consult CQ or QST for more information on the above listed contests and events.

ARRL Awards

The HCRA provides local verification of your WAS and VUCC QSL's. Doc Webb, W1HOD, is our ARRL awards coordinator, and will be glad to hear from you. You can write him at 4 Bullard Ave, Holyoke, MA 01040.

Slow Net

Joy KA1EXJ and Frandy N1FJ have informed us that the Western Mass Slow Net has moved to 3.562 mhz plus or minus QRM at 7:30 PM Monday thru Friday. Possibly at a later time they'll try to have an additional WMSN on a Novice frequency as more interest is apparent.

A number of people have taken and passed their forty-message training course, some of which are now Official Relay Stations and Net Control Stations on the faster CW nets. If you are interested in participating in traffic nets, check into the Western Mass Slow Net (no matter what your CW speed is!) any week night.

*Congrats to the MTARA.....
now an ARRL Special Service Club!*

Thanks

ZERO BEAT is the newsletter of the Hampden County Radio Association, Inc., and is published monthly from September thru June. *ZERO BEAT* is mailed to all HCRA members (family members receive one copy per household). The HCRA year runs from September thru June, with meetings held the first Friday of each month. Dues, which are due at the September meeting with a grace period thru November first, are currently \$9.00 and can be paid at any meeting or via mail to the club address.

Contents of *ZERO BEAT* may be reprinted provided *ZERO BEAT* and the author are duly credited. Please note that some articles appearing in *ZERO BEAT* may be copyrighted; consult the author for reprint permission.

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All members are welcome to place free Wanted or For Sale adds in *ZERO BEAT*. Send your copy to the club address.

The HCRA would like to thank the following contributing editors and sources, who have brought you this month's issue: The *ARRL Letter*, CQ, KB1XD, NoBARC, AC1T, AF1R, KA1KPH

"Quick As A Wink"

Printing & Sales Co.



573 Union Street
West Springfield, MA 01089
(413) 736-8184

Novice Net

A new net has been formed on the 10 meter band with the Novices and Technicians in mind. Please check in on Sunday evenings at 7 PM local time. The frequency is 28.400 MHz upper side band (USB). All hams are urged to check into the net and welcome the Novices and Technicians with their new privileges. Rusty KB1XD is the net manager.

For Sale

- KLM 432-30 LBX 30 element 21.5 foot boom \$75.00
 - KLM 20-14X 220-225 mhz 14 element 15 foot boom \$50.00
 - KLM 220-22 LBX /DL6WU /K1FO modified 22 element 31 foot boom 6.0 dBd \$75.00
 - KLM 2m-16 LBX /DL6WU /N1DPM modified; equal to a Cushcraft 4218XL 16 element 28 foot boom \$90.00
 - 4 element 12 foot extension for the 2m-16LBX which will add approx 1.0 dB making it a total boom length of 39 feet. LBX with extension \$100.00
 - Cushcraft 215WB /N1DPM modified 13 element 15 foot boom with extra stock reflectors \$60.00
 - Cushcraft 617-6B 6m boomer 6 element 34.5 foot boom \$150.00
 - KLM 6m-7LD 7 element 20 foot boom 6 meter (light duty) \$75.00
 - Four home brew circular polarized omnidirectional 6 meter antennas. Can be side mounted on your tower. Each antenna 2 foot cube. \$17.00 each.
 - KLM 10-140C 2m class C FM only amp \$125.00
 - Yaesu FT-102 160m-10m including all WARC bands; 3*6146B finals; 50 hz CW filter; 2.5 & 1.8 khz SSB filters; all Yaesu updates; NO time on finals (used as an exciter for transverter) \$650.00
- Call Fred N1DPM at 413.786.7943

Tidbits

The ARRL now has a new Packet endorsement for WAS. The first ten applicants will receive a commemorative plaque. Please note that this will be a new endorsement only, not a new

separately numbered award. The first plaque has been claimed by KF6EE.

Libya has been very active recently on the bands. 5A0A has a new transceiver and is active on all bands. He requests that you limit your contact to signal report only. His QSL manager also requests that you DO NOT indicate call signs or anything else on the outside of any direct mail you may send. Good Luck!

The ARRL will be having extra opportunities to copy the W1AW Field Day message by adding four additional bulletins. In addition to the normal times (see QST) there will be an extra CW bulletin run at 1400 UTC (10 AM our time) and an extra phone bulletin at 1500 UTC (11 AM here) on both Saturday and Sunday mornings. Copy these bulletins for extra Field Day points!

**Don't forget
Field Day!**

HCRA Award

The club still has the Worked-All-Hampden-County award! With the advent of the 10m Novice net, and other club activities including the VHF contests you should be able to account for enough QSO's to earn this award in no time flat! The award manager is Norm Peacor, K1IJU. You can write him at his new address: P.O. Box 1148, East Orleans, MA 02643.

Board of Directors

Officers have one year terms:

President: Bob McCormick KA1KPH
Vice President: John Balboni AC1T
Treasurer: Greg Stoddard N1AEH
Clerk: Steve Nelson WA1EYF

Second year of two year terms:

Yorke Phillips K1BXE
Jeanette Platanitis KA1MEW
Bob Archambault KA1JDY
Ray Burk WB1GLX

First year of two year terms:

Ned Carpenter NB1R
John Fleckenstein KD9MU
Ken Grady ND1P
Ron Beauchemin WB1ETS

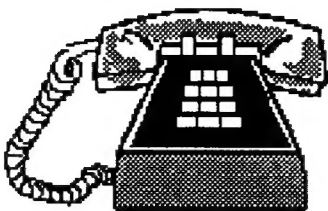
New FCC Address

Federal Communications Commission
NFPA Building
Batterymarch Park
Quincy MA 02169

Main Office: 617.770.4023
Recording: 617.770.3922
Director: 617.770.4325

Deerfield NH Flea Market May 9th

Need more information?



Please call...

Yorke Phillips K1BXE 566-3010
Steve Nelson WA1EYF 596-8216
Ray Burk WB1GLX 730-2774 days
Ray Burk WB1GLX 596-6403 eves
Ned Carpenter NB1R 596-4625

Or write directly to the club!

ARRL VE Exams

The Hampden County Radio Association sponsors ARRL/VEC exams on Saturdays at the Wilbraham Hampden Regional High School, Main Street, Wilbraham, MA. Registration is at 8:30 AM, and exams start at 9:00 AM. The dates scheduled are 13-Jun-87, 12-Sep-87, and 12-Dec-87. For more information please contact Yorke Phillips K1BXE. The HCRA VE team is also available to conduct one-on-one VE exams for those individuals who would like this service. Please contact Yorke or any of the board members for more information.

HCRA Meetings

First Friday of each month at
Feeding Hills Congregational Church
Center of Feeding Hills
Intersection of routes 57 & 187
Doors open at 7:30 PM
Meeting starts promptly at 8:00 PM
All hams are welcome to attend!

Next Meeting May 1, 1987

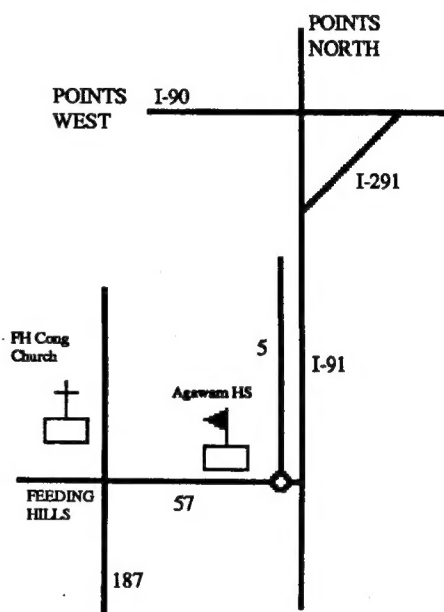
*Power your station
by the wind or sun!
Great for Field Day points*

Future Meetings

01-May-87
Walt Congdon W1ZPB
Solar Powered Ham Radio
and Alternate Energy Sources
05-Jun-87
Annual Meeting & Awards Banquet

HCRA Repeaters

KA1JJM/R 147.105 mhz
KA1KPH/R 449.175 mhz
W1NY-1 145.010 pkt
W1HGJ/R 426.250 atv



Hampden County Radio Association, Inc.
P O Box 482
West Springfield MA 01090-0482

Forwarding & Address
Correction Requested

May 1987
ZERO BEAT

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If you are not currently a member,
why don't you consider joining!

Hampden County Radio Association, Inc.
Annual Meeting and Banquet
Friday
June 5th, 1987

.....Doors open at 6:30 PM.....
.....Dinner served at 7:00 PM.....
.....Annual Meeting at 8:00 PM.....

Please plan on attending the HCRA Annual Meeting and Banquet on Friday night June 5th at the Feeding Hills Congregational Church.

Dinner will be served smorgasbord style and includes: roast beef, imported ham, meatballs, turkey roll, macaroni salad, potato salad, cole slaw, rolls, baked beans, coffee, milk, soda, and desert. We have planned on ordering extra food this year, so bring your appetite!

We must know of your intention to join us for dinner by June 1st. No tickets will be sold at the door! The price is \$5.00 per person. You can complete this reservation form and mail it with your check payable to the HCRA, Inc., or bring it with your payment to the May meeting.

For your records:

Date Sent: _____
Check #: _____
Amount: _____

.....Raffle to be drawn at banquet.....
.....Sponsored in part by HRO.....
Tickets are \$1.00 each or 5 for \$5.00

This year the HCRA is sponsoring a raffle which will be drawn at the Annual Meeting. You do not have to be present to win, but we'd like to see you there anyway!

First prize is a new Kenwood TH31BT 220mhz HT and spare battery pack, supplied from Ham Radio Outlet in Anaheim, CA. A good prize for both a new Novice or an old timer... Let's create some activity on this band!

Second and Third Prizes are \$50.00 on an open account at HRO, which you can apply to anything they sell: Kenwood, Yaesu, ICOM. You can use it as a down payment on the new TS-940 or by a needed accessory for the shack! Its *your* decision!

Six raffle tickets are included in the May issue of ZERO BEAT. Tickets are also available at both the May and June club meetings, and the drawing will take place after the Annual Meeting on June 5th. Good Luck!

Cut on this line and keep top part for your records

Return this part with your check for reservations by June 1st.

HCRA Annual Meeting and Banquet
Friday June 5th, 1987

Name: _____
Call: _____
Address: _____
City: _____
St/Zip: _____
Phone: _____

Yes! I plan to attend the banquet!

Number of tickets: _____
X \$5.00 each

Total enclosed: \$ _____

All checks payable HCRA, Inc.

HCRA 1987 Raffle

Name: _____
Call: _____
Address: _____
City: _____
ST/Zip: _____
Phone: _____

HCRA 1987 Raffle

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Address: _____
City: _____
ST/Zip: _____
Phone: _____

HCRA 1987 Raffle

First Prize
Kenwood TH31BT 220mhz HT
Second & Third Prizes
\$50.00 Ham Radio Outlet
Gift Certificates

6 tickets for \$5.00 or \$1.00 each

Fill out the tickets above and mail with your check payable to the HCRA, Inc. or bring with your payment to the May or June meetings. Prizes will be drawn Friday June 5th. You do NOT have to be present to win! Good Luck!
HCRA, PO Box 482, W. Springfield, MA 01090